PRCP schedule

Environmental Protection Act 1994

P-PRCP-100724523

This PRCP schedule is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

PRCP schedule: P-PRCP-100724523

PRCP schedule holder(s)

Name(s)	Registered address
AIC Jericho Pty Ltd	Unit 13, 130 Hay Street SUBIACO WA 6008

Location details

Location(s)
Mining Lease (ML) 100348

Take effect

In accordance with section 202B of the *Environmental Protection Act 1994* (EP Act), the PRCP schedule has effect on the day the environmental authority for carrying out relevant activities on land to which the schedule relates takes effect. Pursuant to section 202C of the EP Act, a PRCP schedule continues in force until the environmental authority for the relevant activities to which the PRCP schedule relates is cancelled or surrendered, even if the resource tenure expires or is cancelled and even if the relevant environmental authority is suspended under Chapter 5, part 11 or 11A of the EP Act.

Sarah de Vries	16 January 2026
Signature	Date

Sarah De Vries
Department of the Environment, Tourism, Science and Innovation
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Mineral Business Centre
PO Box 7230, Cairns QLD 4870
Phone: (07) 4222 5352
Email: ESCairns@detsi.qld.gov.au

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Obligations under the *Environmental Protection Act 1994*

Pursuant to section 202E of the EP Act, if there is an inconsistency between an environmental authority and a PRCP schedule, the environmental authority prevails to the extent of the inconsistency.

Pursuant to section 285 of the EP Act:

- the holder of a PRCP schedule must commission an audit of the schedule by a rehabilitation auditor for the following periods (each an audit period) —

  (a) the 3-year period starting on the day the schedule takes effect

  (b) each 3-year period starting on the day after the previous audit period ended.

- the holder must, within 4 months after the end of each audit period, give the administering authority -

  (a) the rehabilitation auditor's report (an audit report) about the audit that complies with section 286 of the EP Act, and

  (b) a declaration for the audit report that complies with section 285 of the EP Act.

In addition to the requirements found in the conditions of this PRCP schedule, the holder must also meet their obligations under the environmental authority, the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the EP Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443).

PRCP schedule

The PRCP schedule incorporates the following sections:

- Section A - Conditions of PRCP schedule
- Section B – Definitions
- Section C - Final site design and reference maps
- Section D - Post mining land uses

Section A - Conditions of PRCP schedule

Pursuant to section 206A of the EP Act:

- it is a condition of this PRCP schedule that, in carrying out a relevant activity under the schedule, the holder must comply with a requirement stated in the environmental authority relevant to carrying out the activity.
- it is a condition of this PRCP schedule that the holder must comply with the following matters stated in the schedule -

  (a) each rehabilitation milestone and management milestone

  (b) when each rehabilitation milestone and management milestone is to be achieved

General conditions

PRCP1 All mining disturbance authorised under environmental authority (EA) P-EA-100724442 must have an associated rehabilitation outcome provided in this PRCP Schedule.

PRCP2 The holder must for each rehabilitation area achieve the corresponding rehabilitation milestone criterion (milestone reference):

(a) for the cumulative area available specified in this schedule; and

(b) by the milestone completion date specified in this schedule.

PRCP3 Where land becomes ‘available for rehabilitation’ earlier than the date nominated in this schedule, the holder must:

(a) notify the administering authority in writing within 30 days of the land becoming ‘available for rehabilitation’; and

(b) Unless otherwise agreed to by the administering authority in writing, within 90 business days of the land becoming ‘available for rehabilitation’, apply to the administering authority to amend this schedule in a way that maximises the progressive rehabilitation of the land to a stable condition, including bring forward achievement of relevant milestones and criteria.

Notes:

1. Reference to "earlier than the nominated date in the schedule" means a date that is greater than 1 year prior to the date nominated in the schedule.
2. The written notification must include precise details of the relevant land area and the date when that land became ‘available for rehabilitation’
3. Assessment of land becoming available is undertaken on a nominally annual basis.
4. Rehabilitation of land size must be practicable and economical.
5. The dates by which milestones are to be completed is brought forward, to the extent it is reasonably practicable to do so, by the same amount of time as the commencement was brought forward.

PRCP4 Where an area achieves a rehabilitation or management milestone, the holder must continue to achieve the milestone criteria until a surrender is approved.

PRCP5 The holder must maintain a risk register that identifies the risks to not achieving:

(a) a stable condition for post-mining land uses (PMLU), and

(b) how the risks are being managed or minimised.

PRCP6 The risk register (PRCP5) must be reviewed annually and include consideration of the outcomes of PRCP monitoring data.

PRCP7 The holder must carry out monitoring in accordance with:

(a) the monitoring and maintenance program described in the rehabilitation planning part for the activity version 001 and;

(b) any requirement under this schedule; and

(c) as necessary to demonstrate achievement of each rehabilitation milestone or management milestone criteria.

Note: Where there is any inconsistency between this schedule and the rehabilitation planning part, the schedule criteria prevail to the extent of the inconsistency.

PRCP8 The holder must make and keep up to date records on:

(a) Achievement and maintenance of each rehabilitation milestone criteria of this schedule;

(b) Rehabilitation activities and the results of those activities (including but not limited to, actions taken, date, location, methods, data collected, quality assurance and quality control, photos, waste tracking and disposal records, appropriately qualified person details and assumptions);

(c) Maintenance of rehabilitation and the results of maintenance activities;

(d) Monitoring of rehabilitation and the results of monitoring;

(e) Details and results of rehabilitation trials;

(f) Designs, drawings, specifications and any similar documents developed in accordance with good professional practice in relation to rehabilitation milestones or milestone criteria;

(g) All documents in relation to the requirements of this schedule, including reports (e.g. site investigation report), statements (e.g. site suitability statement), certifications, assessments, investigations, inspections, audits or any similar documents developed in relation to rehabilitation milestones or milestone criteria;

(h) Landholder agreements;

(i) Details of community consultation in the community consultation register relating to rehabilitation and closure activities.

PRCP9 Records made under PRCP8 must be kept until the relevant environmental authority has been surrendered.

PRCP10 Records made under PRCP8 must be provided to the administering authority in the specified format within 10 business days of a written request.

PRCP11 All appropriately qualified person (AQP) designs, specifications, certifications, assessments and any similar documents, must:

a) include documented consideration of any relevant guideline or publication material, including material published by the administering authority.

b) detail the boundary conditions (of any model);

c) detail any assumptions made, limitations and areas of uncertainty; and

d) contain sufficient detail to allow for independent peer review and substantiation.

PRCP12 Groundwater quality must be monitored quarterly at, but not limited to, bores specified in Appendix 1 Table 5 – Groundwater Monitoring Locations, for all quality characteristics listed in Appendix 1 Table 6 – Groundwater Quality Limits.

PRCP13 Groundwater quality results must not exceed the limits in Appendix 1 Table 6 – Groundwater quality limits, for 3 consecutive results within the five-year period immediately prior to surrender.

PRCP14 Surface water quality must be monitored monthly during flow at, but not limited to, the locations specified in Appendix 1 Table 3 – Surface Water Monitoring Locations.

PRCP15 Surface water quality must not exceed the limits specified in Appendix 1 Table 3 – Surface Water Quality Limits within the five-year period immediately prior to surrender.

PRCP16 If the surface water quality exceeds criteria set under PRCP15, an independent AQP must compare the upstream site SC1 to the downstream site result. Where the water quality result measured at a downstream site exceeds the upstream site result, an AQP must complete an assessment of the cause and risk of rehabilitation not achieving a stable condition within the schedule timeframe and:

a) Where there is a low risk to achieving a stable condition from the mining tenure (ML100348), then no further action is to be taken; or

b) Where there is a risk greater than low to achieve a stable condition, then an assessment of potential environment harm and any changes or rectification actions to rehabilitation activities must be determined and implemented.

PRCP17 PRCP16 can only be triggered 3 times over 5 consecutive years prior to surrender. If this condition is triggered, the 5-year timeframe is reset.

PRCP18 The assessment/s under PRCP16 must be completed and provided to the administering authority within 3 months of receiving the relevant sampling results.

PRCP19 An independent AQP must revise and update the numerical groundwater model that includes projections of groundwater levels and, flow directions for a minimum period of 200 years post-closure. The holder must provide the updated model to the administering authority no later than 30 June 2036.

PRCP20 If the updated numerical groundwater model identifies changes to the schedule being required to achieve the rehabilitation objectives, the holder must amend the schedule pursuant to the *Environmental Protection Act 1994*, within 6 months of the PRCP19 completion.

END OF CONDITIONS

Section B – Definitions

Appropriately qualified person (AQP)	means a person who has professional qualifications, training, skills and experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis on performance relative to the subject matter using the relevant protocols, standards, methods or literature.
Activity (EP Regulation)	includes that part, if any, of an activity relating to the following— (a) preparing a place for the activity before carrying out the activity; (b) rehabilitating a place after it has been used for carrying out the activity.
Contaminants	can be a gas, liquid or solid; or an odour; or an organism (whether alive or dead), including a virus; or energy, including noise, heat, radioactivity and electromagnetic radiation; or a combination of contaminants.
Growth media	is defined as all soil and soil-like material that will support the final vegetation cover. This includes the topsoil and subsoil where these materials are applied independently. Where the topsoil is incorporated into the underlying subsoil/spoil, topsoil refers to the depth of incorporation and the remaining depth is regarded as subsoil. The total depth of growth media is nominally considered to be the effective plant root zone
Gully	A gully is a channel excavated by water, more than 0.3 m deep.
Independent AQP	is an AQP who is a third party, being independent of the PRCP schedule holder, and has not previously provided advice on the matter the subject of the review.
Potentially acid forming (PAF)	means material with either a Net Acid Producing Potential of greater than 5 kg of H_2SO_4/tonne or a Net Acid Generation oxidation pH of less than 4.5 (pH unit).
Rehabilitation activity	means any activity that the holder is required to carry out in relation to this PRCP schedule.
Rill	A rill is a channel excavated by water, less than 0.3 m deep.
Stable	in relation to land, means landform dimensions are or will be stable within tolerable limits now and in the foreseeable future. Stability includes consideration of environmental context, geotechnical stability, settlement and consolidation allowances, bearing capacity (trafficability), erosion resistance and geochemical stability with respect to seepage, leachate and related contaminant generation.
Stable condition	see section 111A of the *Environmental Protection Act 1994*.
Suitably qualified and experienced person (SQP)	for performing a regulatory function under chapter 7, part 8 (Contaminated Land) of the EP Act or another function prescribed under a regulation, means a person who— (a) has qualifications and experience relevant to performing the function; and (b) if a regulation prescribes an organisation for this paragraph—is a member of the organisation.

Section C- Final site design and reference maps

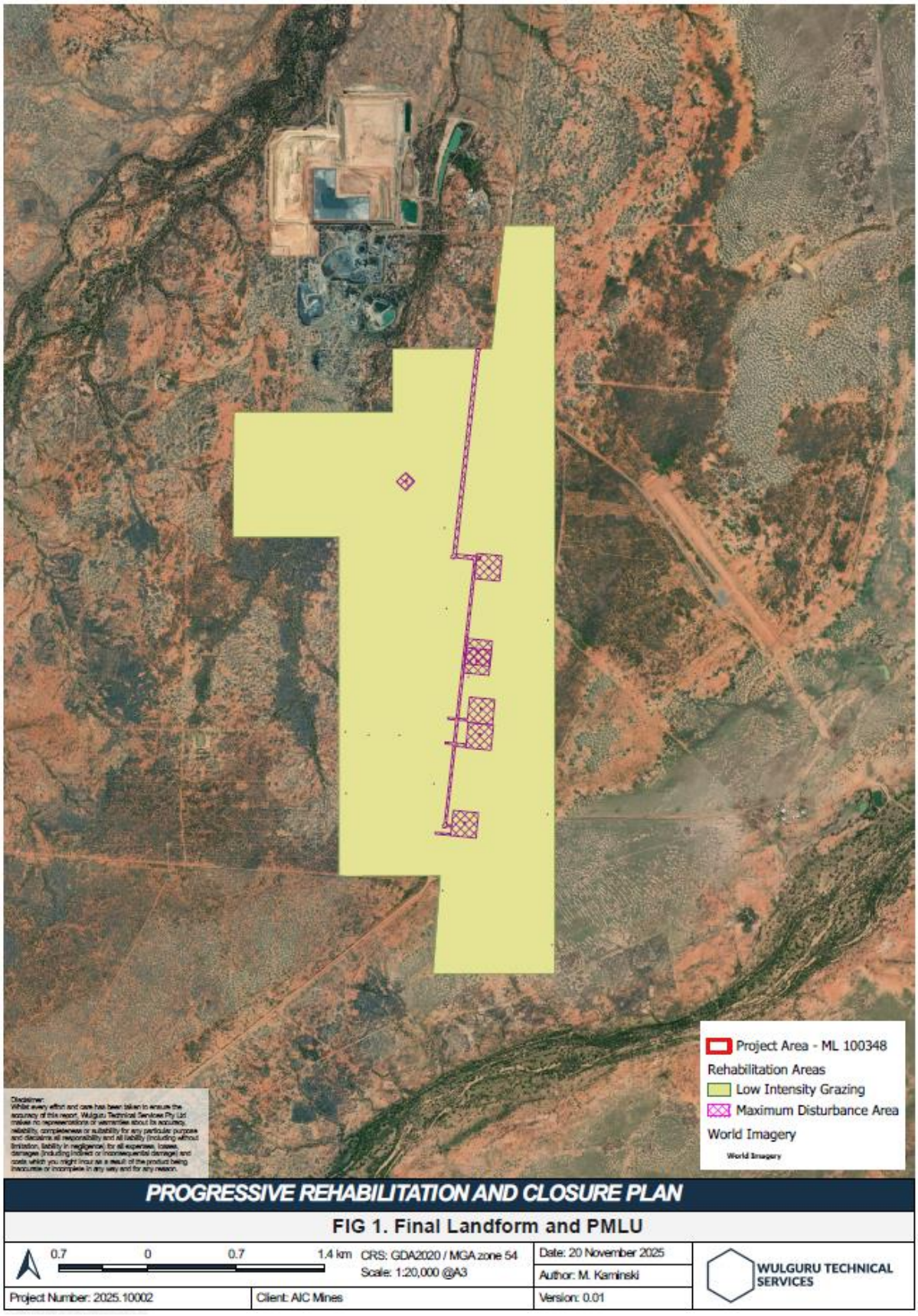

Figure 1 – Final site design

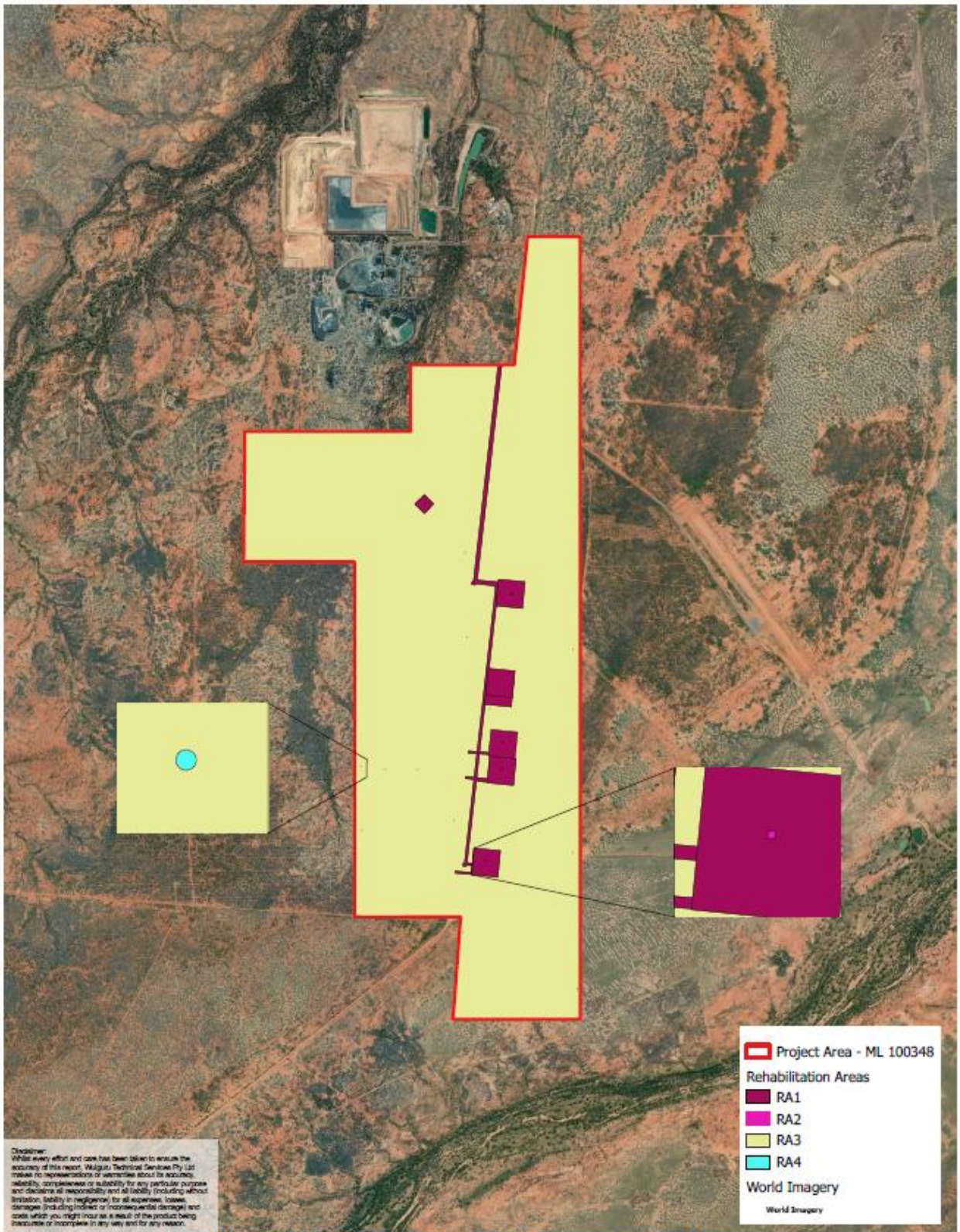

Figure 2 – Reference map rehabilitation areas

Section D – Post mining land uses

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)				
Rehabilitation area	RA1			
Relevant activities	Infrastructure (vent shaft compounds, access tracks, stock fences and power corridor)			
Total rehabilitation area size (ha)	12.09			
Commencement of first milestone: RM1	10/12/2036			
PMLU	Low Intensity Grazing			
Date area is available	10/12/2036	10/12/2038	10/12/2041	10/12/2046
Cumulative area available (ha)	12.09	12.09	12.09	12.09
Milestone completed by	10/12/2038	10/12/2041	10/12/2046	10/12/2056
Milestone Reference	**Cumulative area achieved (ha)**			
RM1	12.09			
RM2	12.09			
RM3		12.09		
RM4		12.09		
RM5		12.09		
RM6			12.09	
RM7				12.09

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)				
Rehabilitation area	RA2			
Relevant activities	Underground Mining (7 vent shafts)			
Total rehabilitation area size (ha)	0.07			
Commencement of first milestone: RM1	10/12/2036			
PMLU	Low Intensity Grazing			
Date area is available	10/12/2036	10/12/2038	10/12/2041	10/12/2046
Cumulative area available (ha)	0.07	0.07	0.07	0.07
Milestone completed by	10/12/2038	10/12/2041	10/12/2046	10/12/2056
Milestone Reference	**Cumulative area achieved (ha)**			
RM1	0.07			
RM2	0.07			
RM3		0.07		
RM4		0.07		
RM5		0.07		
RM6			0.07	
RM7				0.07

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)					
Rehabilitation area	RA3				
Relevant activities	Exploration - Drill pads, Exploration boreholes and tracks associated with exploration				
Total rehabilitation area size (ha)	18.4				
Commencement of first milestone: RM1	10/12/2029				
PMLU	Low Intensity Grazing				
Date area is available	10/12/2029	10/12/2034	10/12/2039	10/12/2044	10/12/2054
Cumulative area available (ha)	9.2	18.4	18.4	18.4	18.4
Milestone completed by	10/12/2034	10/12/2039	10/12/2044	10/12/2054	10/12/2064
Milestone Reference	**Cumulative area achieved (ha)**				
RM1	9.20	18.40			
RM2	9.20	18.40			
RM3	9.20	18.40			
RM4	9.20	18.40			
RM5	9.20	18.40			
RM6		9.20	18.40		
RM7				9.20	18.40

(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)			
Rehabilitation area	RA4		
Relevant activities	Groundwater Monitoring Bores		
Total rehabilitation area size (ha)	0.02		
Commencement of first milestone: RM1	10/12/2064		
PMLU	Low Intensity Grazing		
Date area is available	10/12/2064	10/12/2069	10/12/2074
Cumulative area available (ha)	0.02	0.02	0.02
Milestone completed by	10/12/2069	10/12/2074	10/12/2084
Milestone Reference	**Cumulative area achieved (ha)**		
RM1	0.02		
RM2	0.02		
RM3	0.02		
RM4	0.02		
RM5	0.02		
RM6		0.02	
RM7			0.02

Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure decommissioning and removal	a) All services disconnected, terminated and removed. b) All buildings and fences demolished and/or removed offsite. c) All pipelines drained and removed. d) All exploration drill holes, sumps and groundwater monitoring bores decommissioned in accordance with the *Minimum Construction Requirements for Water Bores in Australia (National Uniform Drillers Licensing Committee 2020, Fourth Edition)* or the most recent version. e) All mine road materials (concrete, bitumen, gravel) removed. f) Waste removed and disposed at a licenced facility. g) All machinery and equipment, not required for rehabilitation works removed from site. h) Decommissioning and removal of all underground infrastructure (e.g. pumps, cooling plant). i) An independent AQP has certified the achievement of RM1a) to RM1h).
RM2	Remediation and/or management of contaminated land	a) Contaminated water or sediment / soil is removed. b) Contaminated Land Investigation Document completed by a SQP in accordance with the *Environmental Protection Act 1994*, including a site investigation report, and, where required, a Validation Report and/or a draft Site Management Plan. c) Contaminated and hazardous materials either remediated in-situ or removed/transported to a facility lawfully able to accept the material. d) A declaration from a SQP confirms that no contamination unsuitable for the post mining land use of low intensity grazing remains.
RM3	Landform development and reshaping/re-profiling	a) Stable landform consistent with pre-mine topography and slopes ≤3% and achieves final landform design. b) All earthworks (including general reshaping and trimming) to achieve final landform as per agreed design. c) Natural drainage is reinstated.

Milestone reference	Rehabilitation milestone	Milestone criteria
		d) Characterisation of waste material for ventilation shafts by an AQP to confirm it is non-polluting. e) All ventilation shafts to be backfilled with non-PAF characterised waste rock to approximately 0.6m below the top of the shaft collar, suitably compacted and 25MPa concrete to be placed to form a concrete plug level with the shaft collar to prevent unauthorised access to underground workings. f) Verification from AQP that the vent shaft has been filled and sealed safely. g) Landform is assessed as having geotechnical and erosional stability by an SQP. h) Erosion and sediment control systems are as per construction design to minimise run-off and sediment mobilisation. i) Independent AQP has certified the achievement of RM3a) to RM3h).
RM4	Surface preparation	a) Sampling of topsoils to be stripped and stockpiled prior to placement to assess the need for growth media characteristics, soil amelioration type and rates and physical treatments is completed by an AQP. b) Assessment of growth media characteristics and development of soil amelioration and physical treatment plan is completed on topsoils stripped and stockpiled by an AQP. c) Ameliorants such as fertiliser, gypsum, and/or organic matter have been applied as identified in criterion RM4b). d) Surface roughening such as deep ripping to depth of 200 mm with <5m tyne spacing. e) Placement of topsoil material across rehabilitated areas and where topsoil has been previously removed (minimum 200mm). f) Topsoil to meet the following suitability targets: (i) pH in the range of 6-8.5 (ii) Electrical Conductivity (dS/m) ≤1.5 (1,500 µS/cm); and (iii) Exchangeable sodium percentage (ESP) (%) <6. g) Use of a cover crop (such as a sterile millet or similar) to minimise bare soils during vegetation establishment. h) Routine (quarterly) inspections to identify any erosion initiation, particularly following rainfall events >50 mm, and early rectification of erosion.

Milestone reference	Rehabilitation milestone	Milestone criteria
		i) Growth media health and suitability is assessed and documented by an AQP as suitable for the PMLU and target vegetation establishment. j) Independent AQP has certified the achievement of RM4a) to RM4i).
RM5	Revegetation (low intensity grazing)	a) AQP reconfirm adequacy of seed species and their rates based on monitoring results at analogue sites listed within Table 2, prior to rehabilitation. b) Completed seeding using seed mix of the following target species: (i) Trees - 0.15kg/ha - Western Bloodwood - *Corymbia terminalis*; Gidgee - *Acacia cambagei*; Central Australian Ghost Gum - *Corymbia aparrerinja* (ii) Shrubs - 0.05-0.10 kg/ha - Berrigan - *Eremophila longifolia*; Pepper Leaf Senna - *Senna clavigera*; Turpentine Bush - *Acacia chisholmii* (iii) Groundcover - 0.5-3.0kg/ha - Wanderrie Grasses – *Eriachne species*; Golden Beard Grass - *Chrysopogon fallax*; Queensland Bluegrass - *Dicanthium sericeum*; Flinders grass (e.g.) - *Iseilema species*; Giant Grey Spinifex - *Triodia longiceps*. c) Visual inspection by AQP, including of soil surface condition, to confirm target vegetation species germination and establishment. d) Stock exclusion fencing has been established to prevent stock from grazing newly seeded areas. e) Independent AQP has certified the achievement of RM5a) to RM5d).
RM6	Achievement of surface requirements (low intensity grazing)	a) Bare topsoil similar to or less than the mean at analogue sites. b) Average total ground cover (all ground cover categories aggregated) of 70% of the mean coverage of equivalent analogue site (Table 2) is verified an AQP. c) Rehabilitation monitoring supports trajectory of cattle grazing pasture with a land suitability class 3 or less. d) A minimum of 70% of target species as per the revegetation plan have been established. e) With respect to erosion: a. No evidence of erosion classified as 'moderate' or 'severe' as defined by Appendix 1 Table 1– Erosion classification framework

Milestone reference	Rehabilitation milestone	Milestone criteria
		b. Any erosion present will not compromise the achievement of a PMLU to a stable condition. c. Erosion requiring intervention has been remediated and does not impact achieving the PMLU. f) Surface water runoff has been collected across representative areas of rehabilitation when surface flows occur and it is safe to do so. g) Quantitative assessment (e.g. LCAT) and certification by an AQP that revegetation is comparable to reference sites, erosion and drainage is acceptable and weeds and pest species are in densities no greater than at reference sites and are verified as supportive of cattle grazing pasture. h) Areas of subsidence which could negatively impact the surrounding environment or PMLU of low intensity grazing are remediated as recommended by an AQP to minimise impacts to environmental values. i) Any erosion or effects of subsidence remediated to ensure maintenance of the baseline condition. j) No ongoing surface subsidence. k) An independent AQP certifies achievement of RM6a) to RM6j).
RM7	Achievement of post-mining land-use to stable condition (low intensity grazing)	a) Safety hazards in the rehabilitation area are not significantly different to surrounding unmined landscapes subject to the same land use. b) The land is structurally and erosionally stable. c) The rehabilitated area can sustain the low intensity grazing PMLU as certified by an AQP with a land suitability class 3 or less. d) Revegetation is comparable to reference sites and supports the low intensity grazing PMLU and weeds and pest species are in densities no greater than at reference sites as certified by an AQP. e) Species used in revegetation remain present and show evidence of natural recruitment in rehabilitation monitoring data. f) Species richness and diversity similar to or higher than analogue sites (Table 2). g) With respect to erosion:

Milestone reference	Rehabilitation milestone	Milestone criteria
		(a) No evidence of erosion classified as 'moderate' or 'severe' as defined by Appendix 1 Table 1– Erosion classification framework (b) Any erosion present will not compromise the achievement of a PMLU to a stable condition. (c) Erosion requiring intervention has been remediated and does not impact achieving the PMLU. h) Restricted invasive plants (as defined in the *Biosecurity Act 2014*) comprise ≤5% of vegetation groundcover. i) Surface water quality results monitored monthly during flow at, but not limited to, downstream locations specified in Table 3 – Surface water monitoring locations, must not exceed the limits in Table 4 – Surface water quality limits, for a minimum of 5 consecutive years. j) If the surface water quality exceeds criteria RM7i), the applicable upstream/reference site must be compared to the downstream site result; and quality result measured at a downstream site must be equal to or less than the quality result measured at the applicable upstream/reference site. k) For a minimum of five consecutive years groundwater quality must be monitored quarterly at, *but not limited to,* bores/locations specified in Table 5 – Groundwater monitoring locations, for all quality characteristics listed in Table 6 – Groundwater quality limits. l) Groundwater quality results must not exceed the limits in Table 6 – Groundwater quality limits, for 3 consecutive results. Groundwater level must be monitored quarterly across the bores specified in Table 5 – Groundwater monitoring locations for 10 years post closure to demonstrate the upward recovery trend for minimum of 3 consecutive years. m) The numerical groundwater model must be recalibrated at the end of mining against measured head levels for the monitoring network in Table 5 – Groundwater monitoring locations, and predictions re-run and verified for groundwater levels, flow directions, and contaminant transport for a minimum period of 200 years post-closure. n) Independent AQP certifies achievement of RM7a) to RM7m).

END OF PRCP SCHEDULE

Appendix 1 - Tables

Table 1. Erosion classification framework

Erosion classification	Minor	Moderate	Severe
Sheet erosion	Shallow soil deposits downslope	Partial exposure of roots; moderate soil deposits downslope.	Loss of surface horizon; subsoil exposure; root exposure; substantial soil deposits downslope.
Rill/gully erosion	<15 rills per transect* and <0.3m deep	15-30 rills per transect* and <0.3m deep	>30 rills per transect* and/or any >0.3m deep.
Tunnel erosion	Absent	Absent	Present
Mass movement	Absent	Absent	Present

Source: NCST (2009) *Australian Soil and Land Survey Field Handbook, 3rd edition*. The National Committee on Soil and Terrain. CSIRO Publishing, Collingwood, Australia.

*Transect 50 m across the contour (Source: Tongway, D. J. and Hindley, N. L. 2005. Landscape Function Analysis: Procedures for Monitoring and Assessing Landscapes. CSIRO Publishing, Canberra, Australia.)

Table 2. Analogue sites

Site ID	Post Mine Land Use	Easting (GDA2020)	Northing (GDA2020)
1	Low intensity grazing	498048	7679189
2	Low intensity grazing	497814	7679709

Table 3 – Surface water monitoring locations

Monitoring Point	Location	Easting (GDA2020, Zone 54)	Northing (GDA2020, Zone 54)
SC1	Downstream	498026	7682008
SC1A	Upstream	491412	7679542
SC1B	Upstream	497000	7680210

Table 4 – Surface water quality limits

Quality Characteristic	Receiving Water Quality Trigger Levels (mg/L unless stated otherwise)
Electrical conductivity	133µS/cm[2]
pH	6.9[2] (minimum) 8.3[2] (maximum)
Turbidity	15 NTU[5]
Sulphate as SO_4	6[2]
Aluminium[1]	0.055 [3]
Arsenic[1]	0.003 [2]
Cadmium[1]	0.0001 [2]
Chromium[1]	0.001 [2]
Cobalt[1]	0.0014 [4]
Copper[1]	0.009 [2]
Lead[1]	0.001 [2]
Manganese[1]	1.9 [6]
Mercury (inorganic)[1]	0.00006 [6]
Nickel[1]	0.011 [2]
Selenium[1]	0.005 [6]
Zinc[1]	0.005 [2]
Fluoride	2 [7]
Hardness	For interpretation purposes only

Notes:

1. *All metals and metalloids must be measured as total (unfiltered) and dissolved (filtered). Trigger levels for metal/metalloids apply if dissolved results exceed trigger. Contaminant limits apply for metal/metalloids if total results exceed limits.*
2. *Site specific trigger value derived using reference data.*
3. *ANZECC (2000), Table 3.4.1 – aquatic ecosystems EV.*
4. *ANZECC online platform (accessed 2023).*
5. *ANZECC (2000), Table 3.3.5 – Tropical Australia upland & lowland rivers.*
6. *ANZECC (2000), 99% species protection.*
7. *ANZECC (2000), Table 4.3.2 – stock water EV.*

Table 5 – Groundwater monitoring bores

Monitoring point*	Aquifer Formation Geologic unit	MGA Easting (GDA 2020) Zone 54	MGA Northing (GDA 2020) Zone 54	Groundwater level (mBGL)
23JEWB004	Tertiary sediments / Upper Wallumbilla Formation	497752	7679159	11
23JEWB005		497932	7679135	11
23JEWB006		497932	7679135	11
23JEWB001	Wallumbilla Formation	498519	7677908	42
23JEWB002		498450	7678751	65
23JEWB007		497757	7678674	65
23JEWB008		499380	7677480	47
23JEWB009		499345	7678510	45
24JEWB011		497871	7682201	55
24JEWB015		498548	7680131	67
24JEWB016		498533	7680766	69
23JEWB003	Gilbert River Formation	498,722	7,679,592	95
23JEWB010	Soldiers Cap Group (Proterozoic metasediments)	499,349	7,680,040	74

Table 6 – Groundwater quality limits

Quality Characteristic[1]	Upper Wallumbilla Formation	Wallumbilla Formation							Gilbert Formation	Solders Cap Group
	23JEWB004 23JEWB005 23JEWB006	23JEWB002	24JEWB015	23JEWB001	24JEWB0016	23JEWB007	23JEWB008	24JEWB011	23JEWB009	23JEWB003	23JEWB010
Electrical conductivity (µS/cm)	TBA[6]	TBA[6]		1500[4]		1950[3]	2500[4]		1200[3]	1040[3]	960[3]
pH (pH unit)	6.5-8.5[5]										
Fluoride (mg/L)	1.7[2]									2[3]	5.8[3]
Sulphate (mg/L)	TBA[6]	TBA[6]		410[4]		500[3]	870[4]		190[3]	280[3]	100[3]
Aluminium (mg/L)	0.055[2]									0.1[3]	0.055[2]
Arsenic (mg/L)	0.013[2]									0.097[3]	0.013[2]
Cadmium (mg/L)	0.0002[2]										
Chromium (mg/L)	0.001[2]										
Cobalt (mg/L)	0.0014[2]										
Copper (mg/L)	0.0014[2]										
Iron (mg/L)	0.3[2]			0.77	0.3[2]				0.43[3]	0.3[2]	
Lead (mg/L)	0.0034[2]										
Manganese	1.9[2]										

Quality Characteristic[1]	Upper Wallumbilla Formation	Wallumbilla Formation							Gilbert Formation	Solders Cap Group
	23JEWB004 23JEWB005 23JEWB006	23JEWB002	24JEWB015	23JEWB001	24JEWB0016	23JEWB007	23JEWB008	24JEWB011	23JEWB009	23JEWB003	23JEWB010
(dissolved) (mg/L)											
Manganese (total) (mg/L)	TBA[6]	TBA[6]		0.67[4]		0.5[5]	1.3[4]		0.66[3]	0.5[5]	
Molybdenum (mg/L)	0.034[2]										
Nickel (mg/L)	0.011[2]										
Selenium (mg/L)	0.005[2]										
Silver (mg/L)	0.00005[2]										
Uranium (mg/L)	0.0005[2]										
Vanadium (mg/L)	0.006[2]										
Zinc (mg/L)	0.008[2]										0.012[3]
Major ions	Interpretation purposes only										

Notes

1. *All metals and metalloids must be measured as total (unfiltered) and dissolved (filtered) concentrations. Groundwater quality limits are applicable to dissolved fraction, except for Manganese that both total and dissolved limits apply.*
2. *Default ANZG value based on 95% species protection (note that for selenium, the 99% species protection applies due to bioaccumulative properties).*
3. *The limit refers to the 80th percentile of the site-specific data.*

4. *80^{th} percentile of data for groundwater with similar water types*
5. *Default drinking water guideline value.*
6. *Contaminant limits for any TBA must be nominated in accordance with condition C35 of Environmental Authority P-EA-100724442.*